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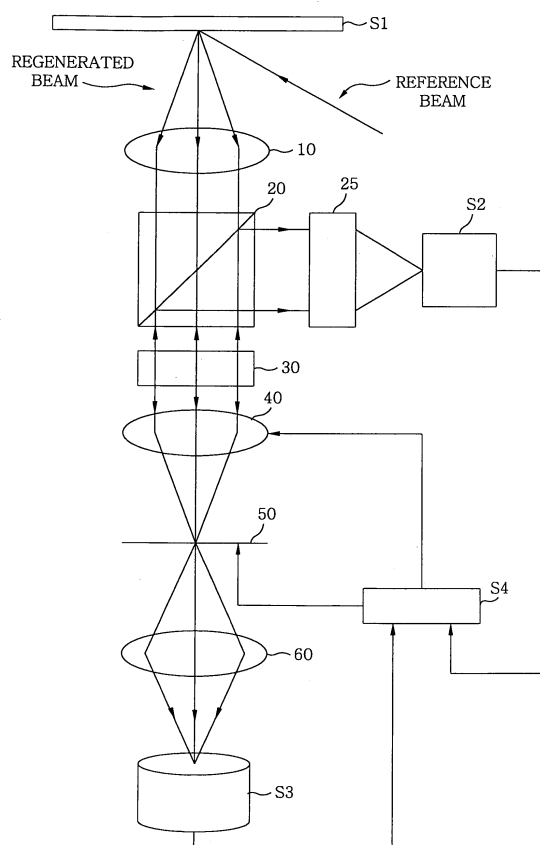
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(54) **Apparatus and method for controlling tracking and focusing servo in a holographic digital data storage system**

(57) A holographic storage system includes a beam supplying unit for supplying an incident beam including data read from a plurality of tracks on a holographic medium (S1); a transferring unit (40) for receiving the incident beam and producing a focused beam; a tracking servo unit (S3,S4) for receiving a first portion of the focused beam through a plurality of pinholes (SS31,SS32,SS33) and reflecting a second portion of the focused beam back to the transferring unit (40) through a reflecting section (SS40) simultaneously, wherein the tracking servo unit moves the transferring unit or the pinholes to adjust the amount of the first portion of the focused beam to thereby retrieve data from a target track, and wherein the second portion of the focused beam reflected back to the transferring unit is converted into a return beam by the transferring unit; and a focusing servo unit (S2,S4) for compensating for vertical movements of the holographic medium.

FIG. 3



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EUROPEAN SEARCH REPORT

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The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 17 March 2006	Examiner Chaumeron, B
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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